

Abstract

Method and Device for the Automatic Recognition  
of Distorted Speech Data

A method and a device for processing distorted short-term speech spectra for automatic speech recognition is described. The method comprises providing a set of reference speech spectra, determining the reference speech spectra of the set of references speech spectra which corresponds to the distorted short-term speech spectra, estimating a frequency response taking into account both the distorted short-term speech spectra and the corresponding reference speech spectra, and compensating the distorted short-term speech spectra based on the estimated frequency response.

(Fig. 1)

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